Stellar Labs™

PROFESSIONAL COMBO CD/iPod/MP3/MIDI PLAYER WITH MIXER &USB

MODEL 555-19520

USER'S MANUAL

CE

www.mcmelectronics.com

PLEASE READ BEFORE USING APPLIANCE
IMPORTANT WARNING AND SAFETY INSTRUCTIONS!

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN!

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

The lightening flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

READ INSTRUCTIONS: All the safety and operating instructions should be read before the product is operated.

RETAIN INSTRUCTIONS: The safety and operating instructions should be retained for future reference.

HEED WARNINGS: All warnings on the product and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS: All operating and use instructions should be followed.

CLEANING: The product should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

ATTACHMENTS: Do not use attachments not recommended by the product manufacturer as they may cause hazards.

WATER AND MOISTURE: Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

ACCESSORIES: Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer’s instructions, and should use a mounting accessory recommended by the manufacturer.

CART: A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn. See Figure A.

VENTILATION: Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer’s instructions have been adhered to.

POWER SOURCES: This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

LOCATION: The appliance should be installed in a stable location.

NON-USE PERIODS: The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

GROUNDING OR POLARIZATION:

- If this product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other), it will fit into the outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- If this product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin, it will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

Fig. A

Fig. A

POWER-CORD PROTECTION: Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

OUTDOOR ANTENNA GROUNDING: If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure B.

LIGHTNING: For added protection for this product during a lightening storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightening and power-line surges.

POWER LINES: An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

OVERLOADING: Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

OBJECT AND LIQUID ENTRY: Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

SERVICING: Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

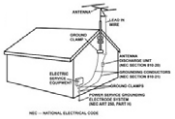


Fig. B

DAMAGE REQUIRING SERVICE: Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance, this indicates a need for service.

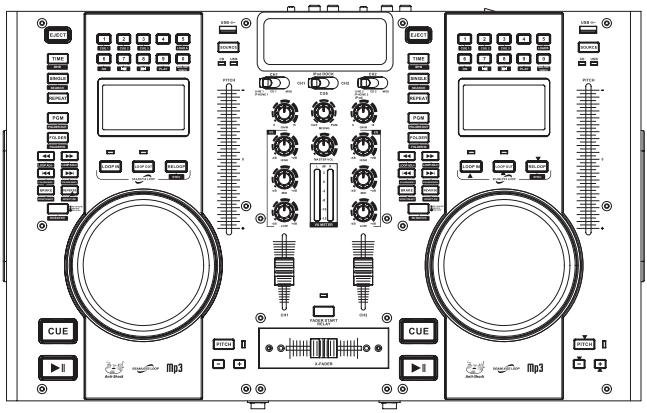
REPLACEMENT PARTS: When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

SAFETY CHECK: Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

WALL OR CEILING MOUNTING: The product should not be mounted to a wall or ceiling.

HEAT: The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Quick Start Guide

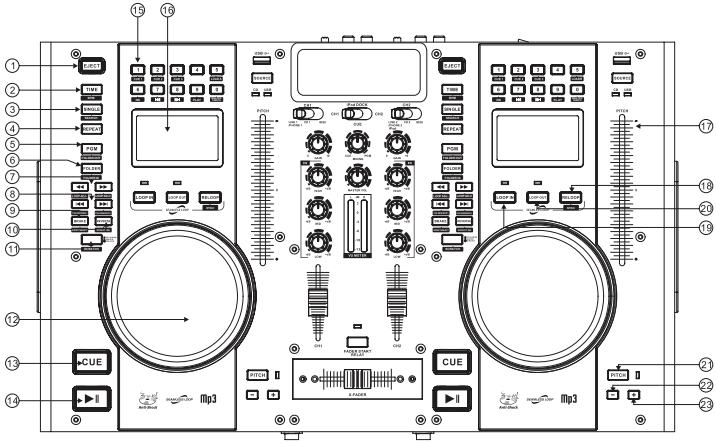


Quick Start Guide

Achieving maximum benefit of the vast features of this product requires review of the supplied manual and may take considerable time. However we realize that you are likely eager to put this device to use immediately. For that reason, we have assembled this brief Quick Start page. You won't even need an external system. A pair of headphones is fine!

(1) Make sure the rear power switch is in the OFF position, and connect the unit to AC power.
(2) Set all rotary controls in the center of the console to the mid position.
(3) Make sure all slide controls are in the center position.
(4) Set the CH1 and CH2 toggles (just below the iPod™ dock) to the CD1 and CD2 positions.
(5) On the front of the unit, next to the headphone jack, set the CUE VOL to the minimum position.
(6) Plug in a set of headphones into the HEADPHONES jack.
(7) Turn the rear power switch to the ON position.
(8) Both blue displays will light and blink READING. After a few seconds will read NO DISC.
(9) Press both red EJECT buttons, cd trays will open.
(10) Place a CD in each tray and press the buttons again.
(11) Press the white play button on both the CD1 and CD2 side.
(12) Slowly adjust the CUE volume on the front panel, you will hear both CD's playing simulataneously
(13) Adjust the CUE/PGM Mixing control (directly above MASTER VOL in center) to the full PGM position
(14) Slide the X-Fader (crossfader) to the left and right, you will belnd from one CD to the other.
(15) Press both SCRATCH buttons twice so they blink red.
(16) Slide the PITCH controls up and down to see the full pitch-bend effect
(17) quickly rotate the scratch wheels back and forth to achieve simulated scratch effects on the CD.
(18) Press the LOOP IN, wait a few seconds and press LOOP OUT. Notice the sample loop that is repeated. Press LOOP OUT again to resume.
(19) Insert USB thumb drives into both the CH1 and CH2 side, then press the white play button on both sides to pause each CD.
(20) Press each SOURCE button under each USB thumb drive to switch from CD to USB mode.
(21) Press both white play buttons, you will have the same functions on MP3 files as you did with CD's.
(22) Set the MASTER VOL control to the minimum position (center of panel).
(23) Using either the XLR or RCA type MASTER outputs, connect to your external sound system.
(24) Adjust MASTER VOL to desired level.

Mixer Deck Functions



1) Eject Button
Press to load or eject disk. Each press will open or close the tray. Note: The Disk tray will not open unless PAUSE is first pressed.

2) Time Button
Use this button to toggle between the three time modes. ELAPSED, REMAINING or TOTAL REMAINING. This works for CD's as well as MP3 files on the USB drive.

3) Single Button
Press this button to switch between the SINGLE or CONTINUOUS play modes. The selected mode will be indicated on the LCD display. In SINGLE mode, after each track, the unit stops reading the disk. In continuous mode the unit plays all tracks and stops. This works for CD's as well as MP3 files on the USB drive

4) Repeat Button
Use this button to repeat one track or all tracks on a CD or USB drive.

5) PGM Button
This is for programming a playlist of up to 20 tracks from a CD or the USB drive. Press the PAUSE button, then press the PGM button to enter the Program mode. Use the SKIP+ and SKIP- buttons to select a desired track. After track is selected press PGM. Repeat this until all desired tracks are selected. Then press PLAY to begin sequence. Program will not be retained if CD or USB drive is changed.

6) Folder Button
This allows you to navigate through multiple folders, especially useful on USB thumb drives with tracks divided into alums or genres of music.

7) Search << or >> Buttons
These allows you to search forward or backwards through the track you are playing. This essentially mimics fast-forward and rewind functions.

8) Track Select Buttons
These allow you to select previous or next tracks. They are also used in programming playlists as described in #5 above.

9) Brake Button
While in play mode, press the BRAKE button, the button will light red. When this mode is active, pressing the PAUSE button will cause the music to slow to a stop, simulating the brake effect on a vinyl LP. Pressing Play will cause the music to advance from stop to normal speed. This works for CD's as well as MP3 files on the USB drive.

10) Reverse Button
While in the play mode, press the REVERSE button, the button will light red. This will reverse the track currently being played, causing it to play backwards. Pressing again will revert back to normal play.

11) Scratch Button
This button toggles the JOG/SHUTTLE wheel between the Pitch Bend, Scratch and Search modes.
Press the button, it lights solid red, and you are in the Search mode. Rotating the Jog/Shuttle wheel will advance you forward or reverse within the track you are playing.
Press the button again, it blinks on/off red, you are in the Scratch mode. Rotating the Jog/Shuttle wheel will provide a scratch effect, very similar to that with vinyl DJ turntables. Fortunately, this is fully electronic and will cause no additional wear or harm to disks.
Press the button again, the red light goes off, you are in the Pitch Bend mode. Rotating the Jog/Shuttle wheel will either increase or decrease the pitch of the track playing. Release the wheel and the track will revert back to normal speed/pitch.

Mixer Deck Functions

12) Jog/Shuttle Wheel
This wheel is used in conjunction with the SCRATCH button described in #11. In Jog/Shuttle mode, rotating the wheel clockwise advances the track, counterclockwise reverses the track. In Pitch/Bend mode, clockwise increases the pitch, counterclockwise slows the pitch. In scratch mode, quickly alternating back/forth simulates the vinyl scratch action on DJ turntables. This function works with CD's as well as MP3 files.

13) Cue Button
Pressing the CUE button will cause the playing track to revert back to the position in which play was started.

14) Play/Pause >II Button
Pressing this button will toggle between play and pause modes on the CD and USB drive. When in PLAY mode, the button lights blue, when in PAUSE, it blinks blue on/off.

15) Direct Access Buttons 0-9
These can be used to directly select a track to play, or to record on a playlist. This is especially useful when using USB drives with a large number of tracks stored.

16) LCD Display
Blue backlit display provides a wealth of information on the tracks being played. When a playlist is active, It displays the 1~20 track number in the lower left corner. While playing CD's or MP3's it displays the overall track number in the upper left corner. The top right corner shows track time, with selectable played, elapsed or total time modes. Immediately beneath this time display is a bargraph showing relative time remaining in the track being played. This enables the DJ to have a visual idea of how far into the track they are. The bargraph will blink when less than 30 seconds remain on the track. Middle right shows the +/- percentage of the pitch bend. In normal mode, the display will read 0.0.

17) Slide Pitch Control
Sliding this control down and up either increases or decreases the pitch and speed of the track being played. The range of this slide control is selectable from +/-4%, 8% or 16%, see item #21. The actual pitch amount is displayed on the middle right of the LCD display.

18) Re-Loop Button
See #18 and #19 for better understanding of this function. When the Loop-Out button is pressed a second time, the loop stops playing and regular play resumes, however the loop remains stored. Pressing the Re-Loop button will restart the same loop, from any other point in the track. Once the track ends, or if you skip to another track, the loop will be erased.

19) Loop-In Button
Pressing this button sets the start point of a sample loop, from the playing track.

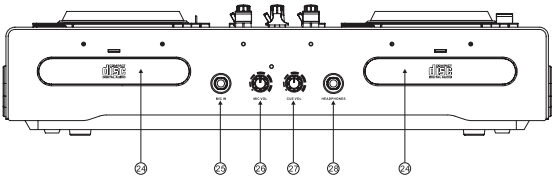
20) Loop-Out Button
Pressing this button sets the end point of a sample loop, from the playing track. Once this is pressed the unit will continually repeat the loop. Pressing the Loop-Out button will resume normal play, but the loop starting point remains stored. Pressing the Loop-Out button again will set a new end point.

21) Pitch Bend Select
Pressing the PITCH button will toggle the Slide Pitch Control between the three pitch/bend ranges, +/-4%, 8% or 16%.

22) Pitch Bend (-) Button
Pressing and holding this button will decrease the speed and pitch of the track playing. Once released, the pitch will return to a normal rate.

23) Pitch Bend (+) Button
Pressing and holding this button will increase the speed and pitch of the track playing. Once released, the pitch will return to a normal rate.

Front View



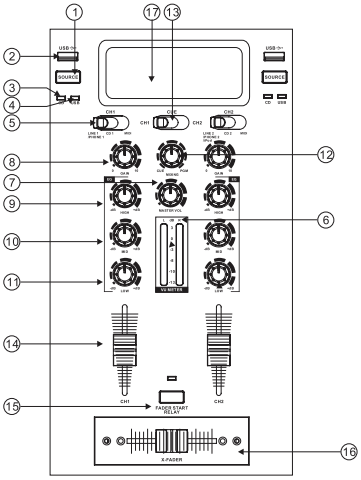
24) CD Tray
For loading standard CD, CD-R and CD-RW discs. The tray is opened by pressing the red EJECT button on the top of console. Note that if the CD in the tray is playing, it must be paused prior to ejecting. While playing, the EJECT button is inoperative. Pressing the EJECT button again will close the drawer. Also, this button only operated while the CH1 or CH2 Input Toggle Switch (see next page) are in the CD position.

25) DJ Microphone Input
The MIC IN jack accepts standard dynamic unbalanced microphones with ¼" plug.
26) Mic Level Control
Adjusts the microphone level, relative to the music mix.

27) Cue Level Control
This adjusts the CUE level of the headphones. More explanation of this can be found on the next page under the CUE/PGM mixing control

28) Headphone Output
For connection of standard stereo headphones with ¼" plug.

Main Console Functions



1) Source Select
For Deck 1 and Deck 2, this button select between the CD player and USB drive sources. Note that the source can only be changed while the track is in PAUSE/STOP mode. It will not change sources while a track is playing.

2) USB Input
This port reads MP3 files directly from thumb drives. Note it will not read WMA or WAV files, plus it will not support external HDD drives. Flash drives only.

3) CD Indicator
Indicates that you are in CD Mode.

4) USB Indicator
Indicates that you are in USB Mode for reading MP3 files from thumb drives.

5) Input Toggle Switch
Selects from multiple sources. CD1 allows play from the CD tray or the USB drive. MIDI allows external interface with an external computer or laptop. Line/Phono input allows audio to be played from an external line level device or turntable.

6) LED VU Meter
Shows relative output level of all music sources being fed to the MASTER OUTPUT and XLR OUTPUT connections on the rear panel.

7) Master VOL Control
Adjusts overall output level of all music sources being fed to the MASTER OUTPUT and XLR OUTPUT connections on the rear panel.

8) CH1 and CH2 GAIN Control
Adjusts relative level between CH1 and CH2. Ideally this is adjusted so full left/right adjustment of the cross fader yields the same output level. Typically this is set up prior to a performance, fine adjustments are made at the CH1 and CH2 slide controls (#14)

9) CH1 and CH2 HIGH Control
Adjusts high frequencies for each channel (treble)

10) CH1 and CH2 MID Control
Adjusts mid frequencies for each channel (midrange)

11) CH1 and CH2 LOW Control
Adjusts low frequencies for each channel (bass)

12) CUE/PGM Mixing
Allows the headphones to simultaneously listen to the material being cued up, as well as the program being sent to the main outputs. The user can tailor this mix to suit individual situations and taste.

13) CUE Selector
Sets which channel is sent to the headphone output for cuing. While heard through the headphones, CUE audio is not sent to the main outputs.

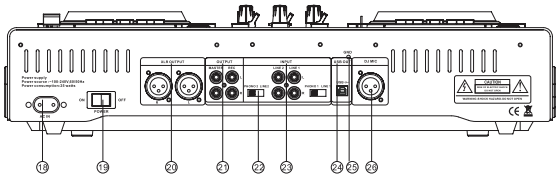
14) CH1 and CH2 Input Level Control
Very similar to input gain control functions (#8), these controls allow quick and precise level adjustments for each channel during the performance.

15) Fader Start Relay
When activated, this function allows the cross fader (#16) to control the start and stop of CH1 and CH2.

16) Cross Fader
Allows fading and blending from CH1 material to CH2. As use of this control tends to be heavy when combined with scratch and other effects, it is subject to wear and is designed to be easily replaced by the user.

17) iPod™ Dock
Allows program material to be delivered directly from iPod™, iPod Touch™ iPhones and similar devices and played through CH2. Note that DJ effects are not available on material from the iPod.

Rear Panel Functions



18) AC Power Input – This unit will accept standard IEC type power cords, commonly used on many types of electronic equipment, and may be powered from any AC power source from 100~240VAC, 50~60Hz, in virtually any country around the globe.
19) Power Button – Turns master power ON/OFF
20) Balanced XLR output – For connection to an external sound system. 3-Pin XLR connectors are commonly used on most types of commercial sound gear
21) Unbalanced RCA output – For connection to an external sound system. This is for connection to standard home audio/home theater sound systems, amplifiers and receivers. MASTER is controlled by the MASTER VOL level on the main panel. REC are at fixed level, normally intended for recording.
22) PHONO/LINE selectors – Sets sensitivity level for the LINE1 and LINE2 inputs. The PHONO position is for use ONLY with vinyl turntables having a magnetic cartridge and no preamplifier. The LINE position is for all other types of gear including external laptops, CD/DVD/Tape players, tuners and similar items.
23) LINE1 and LINE2 inputs – For connection of external sound sources. When using with turntables, there may be a separate ground line that will need to be connected to #25 GND lug.
24) USB Interface – This is for connection to external personal computers or laptops, running software such as Virtual DJ (included) or other popular DJ software. For operation you should consult the decimation included with your separately available software.
26) DJ MIC – Input is for commonly available professional microphone that utilize balanced XLR connection. Function of this input mirrors that of the front panel ¼" jack.

Virtual DJ LE Software

Included with this unit is a CD containing Virtual DJ LE software. This software provides an industry standard platform that allows this Stellar Labs unit to control files that exist on your PC or laptop. By installing the software on your PC, and providing the supplied key code (may be serial number from the rear of your unit), you will now be able to control music files from your computer's hard drive, in much the same manner as you would CD's.

Load and install the software on your pc, input the key code. Using a standard USB cable, connect the rear panel USB port on this unit (beneath the ground lug) to any USB port on your PC. Run the software an you will see immediate access to all music files it the MY MUSIC folder on your computer. In addition to the many features found on this media player, the software offers a host of additional digital effects for you to take advantage of. For more information on this software, as well as available upgrades, see www.virtualdj.com.

Specifications

- Large LCD display with blue back light
- 2 x CD drive
- 2 x USB slot
- Midi connection
- Mp3 playback
- iPod docking station
- 40 sec. Anti-Shock
- Seamless loop with re-loop
- 3 selectable jog modes Pitch Bend, Search, Scratch
- 2 x XLR outputs
- 2 channel mixer, fader
- Inputs: microphone (jack/XLR), headphones
- Voltage supply: 100~240, 60/50Hz, 25W

-Note the USB port will only read MP3 fils and is unable to read WMA, WAV or other types.

Warranty

This device is covered against manufacturer defects for a period of one year, from the original date of purchase. If the unit should fail, it will be replaced or repaired at the decision of the dealer from which it was purchased. It is the owner's responsibility to establish the date and place in which the item was purchased by acceptable documentation should warranty service be required.

Note the X-Fader (cross fader) is user replaceable and is an item of normal wear. This component is only warranted for a period of 90 days.

For warranty service, contact the retailer in which this Stellar Labs product was purchased. They will advise the best means to secure service for your item. Should this not be practical, you may contact MCM Electronics, the exclusive master distributer for Stellar Labs products in North America. See www.mcmelectronics.com for contact information.

This warranty is void if the serial number has been altered or removed, if the unit has been opened or serviced by unauthorized parties, or if there are clear sighs of physical mishandling or abuse.

This warranty, whether expressed or implied, is made only with regards to the actual unit, and not to connected equipment or accessories. No other warranties, expressed or implied, exist with regards to product application, usefulness, loss of revenue or other disadvantage that may be considered from this product.

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